

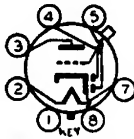


6T7-G

6T7-G

DUPLEX-DIODE HIGH-MU TRIODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances:	°	
Triode Unit:		
Grid to Plate	1.7	μuf
Grid to Cathode	1.8	μuf
Plate to Cathode	3.1	μuf
Overall Length	4-7/32" to 4-15/32"	
Seated Height	3-21/32" to 3-29/32"	
Maximum Diameter	1-9/16"	
Bulb	ST-12	
Cap	Skirted Miniature	
Base	Small Shell Octal 7-Pin	
Pin 1 - No Connection		
Pin 2 - Heater		
Pin 3 - Triode Plate		
Pin 4 - Diode Plate #2		
Pin 5 - Diode Plate #1		
Pin 7 - Heater		
Pin 8 - Cathode		
Cap - Triode Grid		
Mounting Position	Any	



BOTTOM VIEW (G-7V)

TRIODE UNIT

Plate Voltage		250 max. volts
<i>Characteristics - Class A₁ Amplifier:</i>		
Plate Voltage	135	250 volts
Grid Voltage	-1.5	-3 volts
Amp. Factor	65	65
Plate Res.	65000	62000 ohms
Transcond.	1000	1050 μ mhos
Plate Cur.	0.9	1.2 ma.

Typical Operation - Resistance-Coupled Amplifier:
See RESISTANCE-COUPLED AMPLIFIER CHART.

DIODE UNITS - Two

Consideration of these units is given under Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6T7-G is not suitable. Diode curves under Type 6B7 apply to the 6T7-G.

- In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
- ° With close-fitting shield connected to cathode. Values are approximate.

← Indicates a change.

Dec. 1, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

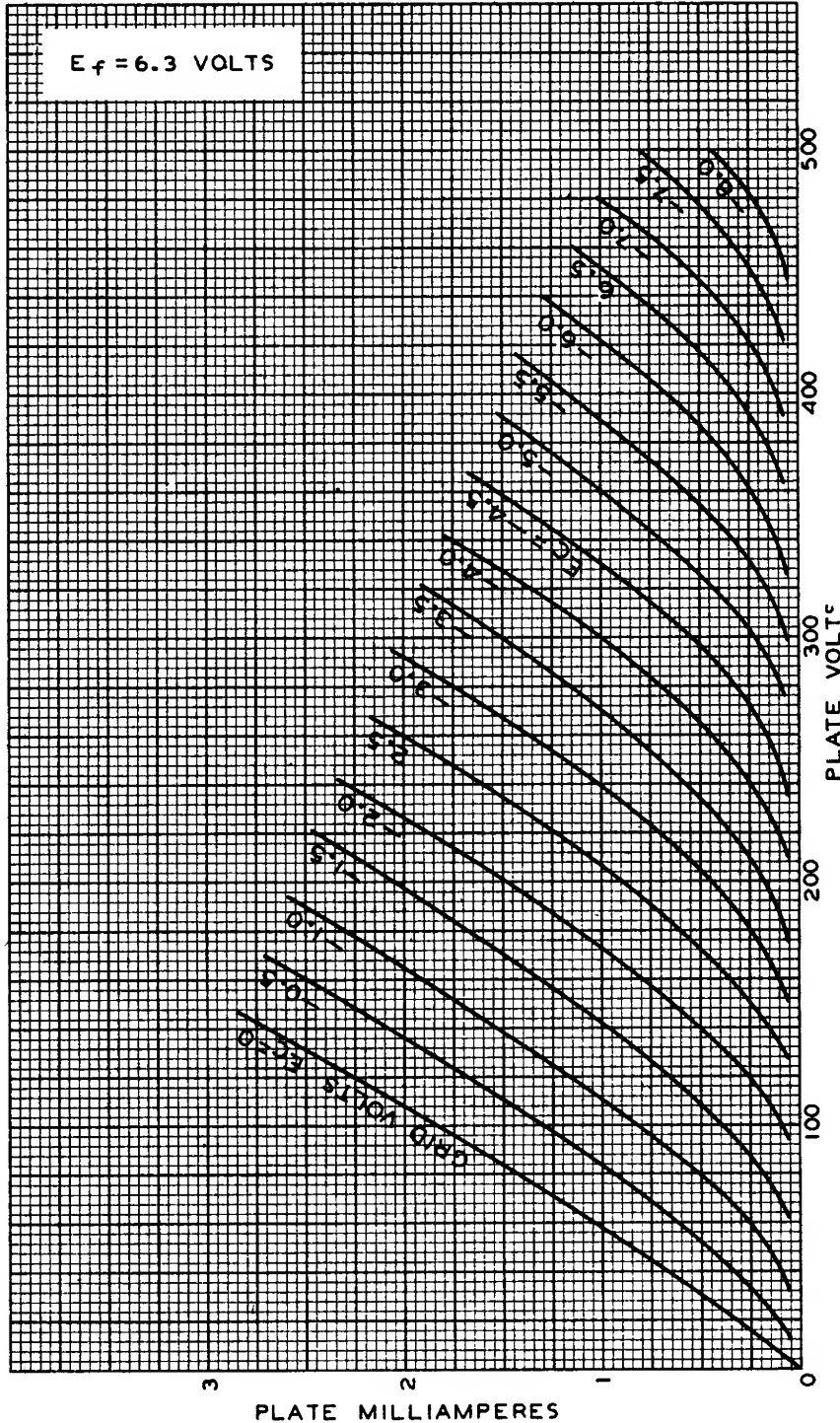
DATA

6T7-G



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AVERAGE PLATE CHARACTERISTICS



MARCH 8, 1938

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92C-4892